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PATENT ABSTRACTS OF JAPAN

(11)Publication number : 03-087219

(43)Date of publication of application : 12.04.1991

(51)Int.Cl.

B29C 45/14

C23C 16/40

C23C 16/54

(21)Application number : 01-225675

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(22)Date of filing : 31.08.1989

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(54) MANUFACTURE OF TRANSPARENT RESIN MOLDED PRODUCT

(57)Abstract:

PURPOSE: To manufacture a molded product of superior resistance to weather, resistance to scratching, resistance to chemicals and the like by forming a SiO_x film by the plasma CVD method in the flat plate state on a flexible, transparent resin film and integrating the same with a molded product main body formed by injection molding.

CONSTITUTION: On one side of a flexible, transparent resin film 3d, a primer layer 3c and/or a siloxane group hard coating layer 3b, if necessary, is formed and then an SiO_x film 3a is formed by the plasma CVD method. The film forming resin film 3 thus manufactured is trimmed into the shape close to that of a molded product 1, and injection molding of a molded product main body 2 is carried out. At that time, transparent resin 20 is fed from a runner 17 and a sprue 18 into a resin pool 19 and injected from a gate 19 to a cavity 13, and then the film forming resin film 3 is stretched by resin 20 to be filled in the cavity 13 and integrated with a resin film 3d of the film forming resin film 3 to mold the molded product main body 2.

